Claims:

- A cooler structure for use in cooling a surface, the
 cooler structure comprising a backing panel and, supported on the backing panel, cooling medium in heat transfer relationship with the backing panel.
- 2. A cooler structure according to claim 1, wherein the cooler structure has a zone within the periphery of the structure through which a target zone of the surface may be accessed.
- 3. A cooler structure according to claim 2 wherein the zone within the periphery of the cooler structure, through which a target zone of the surface may be accessed, is bounded by a cooling zone of the structure having the cooling medium supported on the structure.

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- 4. A cooler structure according to claim 2 or claim 3, wherein the zone within the periphery of the cooler structure through which a target zone of the surface may be accessed comprises a removable or at least partially displaceable portion of the cooler structure.
- 5. A cooler according to any of claims 2 to 4, wherein the zone within the periphery of the cooler structure through which a target zone of the surface may be

accessed includes a portion of the backing panel and carries cooling medium.

- 6. A cooler structure according to any preceding claim,
 wherein the cooling medium is present over an area of
 the structure corresponding to substantially 60% or
 more of the backing panel.
- 7. A cooler structure according to any preceding claim,
 wherein the cooling medium is present over an area of
 the structure corresponding to substantially 70% or
 more of the backing panel.
- 8. cooler structure according to any preceding claim,
 wherein the cooling medium is present over an area of
 the structure corresponding to substantially 80% or
 more of the backing panel.
- 9. A cooler structure according to any preceding claim,
 20 wherein the backing panel is substantially liquid
 impermeable.
- 10. A cooler structure according to any preceding claim, wherein the backing panel comprises a plastics material.
 - 11. A cooler structure according to any preceding claim, wherein the backing panel comprises flexible sheet material.

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- 12. A cooler structure according to any preceding claim, wherein the cooling medium comprises material to be hydrated or already hydrated material.
- 5 13. A cooler structure according to any preceding claim wherein the cooling medium comprises an absorbent polymer material.
- 14. A cooler structure according to any preceding claim,
 wherein the cooling medium is in granular, particulate
 or hydrogel form.
 - 15. A cooler structure according to any preceding claim, wherein the cooling medium is contained within pockets present on the structure.

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- 16. A cooler structure according to claim 15 wherein the discrete pockets effectively permanently retain dosed quantities of the cooling medium.
- 17. A cooler structure according to claim 15 or 16, wherein the pockets have a panel portion defined by a liquid permeable material.
- 18. A cooler structure according to any of claims 15 to 17, wherein the pockets have a panel portion defined by the backing panel of the structure.
- 19. A cooler structure according to any of claims 15 to 30 18, wherein the pockets are defined by weld seam lines

along adjacent sheets comprising the pockets.

20. A cooler structure according to any preceding claim, wherein the structure is provided with mounting means for securing the structure in position on the surface.

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- 21. A cooler structure according to claim 20 wherein the mounting means comprises one or more sucker cups.
- 10 22. A method of cooling a surface, particularly a vehicle windscreen, the method comprising positioning a cooler structure according to any preceding claim in position with the backing panel of the cooler structure adjacent the windscreen.
- 23. A method of repairing a flaw (such as a crack or break) in a vehicle windscreen, the method comprising positioning a cooler structure in position with a backing panel of the cooler structure in contact with
- the windscreen; permitting a period of time to elapse; and carrying out a repair process on the flaw.
- 24. A method according to claim 23, wherein the cooler structure has a zone within the periphery of the cooler structure which zone is positioned over the flaw in the windscreen and through which zone the flaw of the windscreen may be accessed.
- 25. A method according to claim 23 or claim 24, wherein the repair process is carried out on the flaw whilst

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the cooler is in situ, positioned on the windscreen.

26. A method according to any of claims 23 to 25, using a cooler structure according to any of claims 1 to 21.

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- 27. A method of manufacturing a cooler structure, the method comprising welding a liquid permeable sheet material to a liquid impermeable backing along weld lines to form a series of pockets containing a cooling medium retained in the pockets.
- of claims 1 to 21, and a carrier container for containing the cooler structure in a hydrated state.

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29. A kit according to claim 28, further including a container for dispensing hydrating liquid to hydrate the cooler structure.